

# Converting Colors

$Y_{xy}(33.7754, 0.3051, 0.2612)$

Have a look what the booklet for  
Yxy(33.7754, 0.3051, 0.2612)  
contains.

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# Color

**Yxy(33.7754, 0.3051, 0.2612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B88FC3
RGB	184, 143, 195
RGB Percent	72%, 56%, 76%
CMY	0.2782, 0.4393, 0.2352
CMYK	0.06, 0.27, 0.00, 0.24
HSL	287°, 30%, 66%
HSV	287°, 27%, 76%
XYZ	39.4520, 33.7754, 56.0811
YIQ	161.1870, 7.7440, 24.8640

# Conversions

## Conversions Part 2

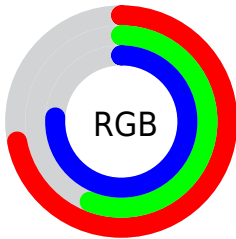
Format	Color
<a href="#">RYB</a>	<a href="#">184, 143, 195</a>
Decimal	<a href="#">12095427</a>
CIELab	<a href="#">64.78, 24.77, -21.04</a>
CIElCh	<a href="#">65, 32.496, 319.660</a>
Yxy	<a href="#">33.7754, 0.3051, 0.2612</a>
Android (android.graphics.Color)	<a href="#">4290285507</a> ( <a href="#">0xFFB88FC3</a> )
YUV	<a href="#">161.1870, 16.6698, 20.0070</a>
Hunter-Lab	<a href="#">58.1166, 19.4694, -16.5318</a>

# Details

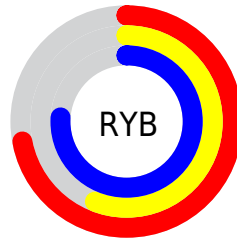
The Yxy color **33.7754, 0.3051, 0.2612** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.8856, 0.3178, 0.4027**, and the grayscale version is **35.6531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4860, 0.3064, 0.2731**, and **14.3232, 0.3014, 0.2420** is the 20% darker color. If you saturate the color by 10%, you get **27.9228, 0.3012, 0.2349**, and if you desaturate by 10%, it is **40.6634, 0.3084, 0.2874**.

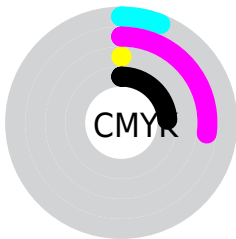
# Distribution



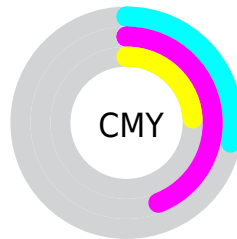
- Red (72%)
- Green (56%)
- Blue (76%)



- Red (72%)
- Yellow (56%)
- Blue (76%)



- Cyan (6%)
- Magenta (27%)
- Yellow (0%)
- Black (24%)



- Cyan (28%)
- Magenta (44%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7754, 0.3051, 0.2612 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.7754, 0.3051, 0.2612 by changing the saturation by 10% instead.




 33.7754, 0.3051,  
0.2612


 33.7754, 0.3051,  
0.2612


319.1294, 0.3097,  
0.2951

 22.7211, 0.3037,  
0.2528


 65.5842, 0.3070,  
0.2735

 14.3877, 0.3017,  
0.2421


 87.1076, 0.3076,  
0.2781

 8.3908, 0.2988,  
0.2279


112.8894, 0.3082,  
0.2820

 4.3460, 0.2941,  
0.2084

143.3141, 0.3086,  
0.2854

 1.8689, 0.2860,  
0.1801

178.7660, 0.3089,  
0.2883

 0.5296, 0.2727,  
0.1270

219.6296, 0.3092,

 0.0000, 0.0622,

0.2908


0.0000


266.2893, 0.3095,  
0.2931

 0.0000, 0.0000,  
0.0000


 33.7754, 0.3051,  
0.2612


 33.7754, 0.3051,  
0.2612


 27.9228, 0.3012,  
0.2349


 40.6634, 0.3084,  
0.2874


 23.0484, 0.2968,  
0.2094

 48.6315, 0.3112,  
0.3128

 19.0961, 0.2918,  
0.1857

 57.7270, 0.3134,  
0.3368

 16.0025, 0.2865,  
0.1648

 67.9929, 0.3152,  
0.3592

 13.6956, 0.2809,  
0.1479

 79.4702, 0.3166,  
0.3799

■ 12.0919, 0.2753,  
0.1353

■ 88.9730, 0.3180,  
0.3940

■ 11.0806, 0.2697,  
0.1272

■ 89.5788, 0.3206,  
0.3935

■ 10.8060, 0.2679,  
0.1250

■ 90.2001, 0.3233,  
0.3930

■ 90.8370, 0.3259,  
0.3924

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7754, 0.2595, 0.2488



33.7754, 0.3051, 0.2612



33.7754, 0.3567, 0.2883

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.7754, 0.3051, 0.2612



33.7754, 0.4001, 0.4005



33.7754, 0.2336, 0.3239

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.7754, 0.3051, 0.2612



47.8856, 0.3178, 0.4027

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.7754, 0.2667, 0.3746



33.7754, 0.3051, 0.2612



33.7754, 0.3628, 0.4200

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.7754, 0.3051, 0.2612



33.7754, 0.4139, 0.3652



33.7754, 0.3137, 0.4119



33.7754, 0.2210, 0.2803



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.7754, 0.3051, 0.2612



33.7754, 0.3863, 0.3122



33.7754, 0.3137, 0.4119



33.7754, 0.2426, 0.3409

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.7768, 0.3051, 0.2612



84.9056, 0.3108, 0.3092



32.9735, 0.2686, 0.2702



18.0960, 0.3104, 0.3053



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7768, 0.3051, 0.2612



54.1715, 0.3029, 0.2459



34.5494, 0.3300, 0.2809



10.1370, 0.3105, 0.3061



7.0588, 0.2687, 0.1254



0.3325, 0.2810, 0.1321



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.5739, 0.3575, 0.3145



53.8178, 0.3709, 0.3112



47.3359, 0.2989, 0.3826



10.1118, 0.3257, 0.3242



7.6553, 0.6023, 0.3092



0.3411, 0.5395, 0.2746



# Previews

## White Background



This preview shows how the Yxy color 33.7754, 0.3051, 0.2612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

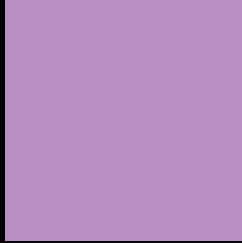
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.7754, 0.3051, 0.2612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

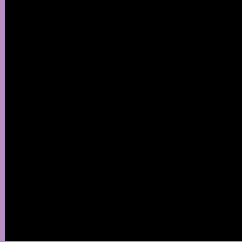
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 33.7754, 0.3051, 0.2612**

## Background



This preview shows how black text looks on a background with the Yxy color 33.7754, 0.3051, 0.2612.



This preview shows how white text looks on a background with the Yxy color 33.7754, 0.3051, 0.2612.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

33.7754, 0.3051, 0.2612

### Protanopia

34.1563, 0.2640, 0.2617

### Deuteranopia

33.9300, 0.2803, 0.2741



## Tritanopia

33.6518, 0.3320, 0.3123

# Trichromacy



**Original Color**

33.7754, 0.3051, 0.2612

**Protanomaly**

33.7212, 0.2773, 0.2604

**Deuteranomaly**

33.8147, 0.2890, 0.2687

**Tritanomaly**

33.7083, 0.3225, 0.2935

# Monochromacy



**Original Color**

33.7754, 0.3051, 0.2612

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

34.5633, 0.3101, 0.3022

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.7754, 0.3051, 0.2612 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(184, 143, 195)` looks like.

```
.text, #text, p{  
    color:rgb(184, 143, 195)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(184, 143, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 143, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 33.7754, 0.3051, 0.2612 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 143, 195) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(184, 143, 195) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(184, 143, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 143, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 143, 195);  
box-shadow:4px 4px 4px 4px rgb(184, 143,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.7754, 0.3051, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 143, 195) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(184,  
143, 195) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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